



Connecting a LuminaPro or Lumina to an Ademco Vista 15P / 20P

Application:

How to connect a Lumina series controller to an Ademco Vista 15P or Vista 20P security panel to allow for security activated lighting and/or temperature control.

Installation:

1. Equipment:

- a) LuminaPro (HAI 20A04-22) or Lumina (HAI 20A04-21) with HLC lighting already installed.
- b) Operational Ademco Vista 15P or 20P security panel. Note: Also works with Vista-20PCN, and Vista-15PCN. Works with Ademco 20SE and Ademco-40 with an additional module.
- c) 2 Normally Closed Relays to connect between the Vista 15P / 20P and Lumina.
- d) 4-wire cable/connector (Ademco #N4632-4).
- e) HAI OmniStat thermostat (optional).

2. Setup:

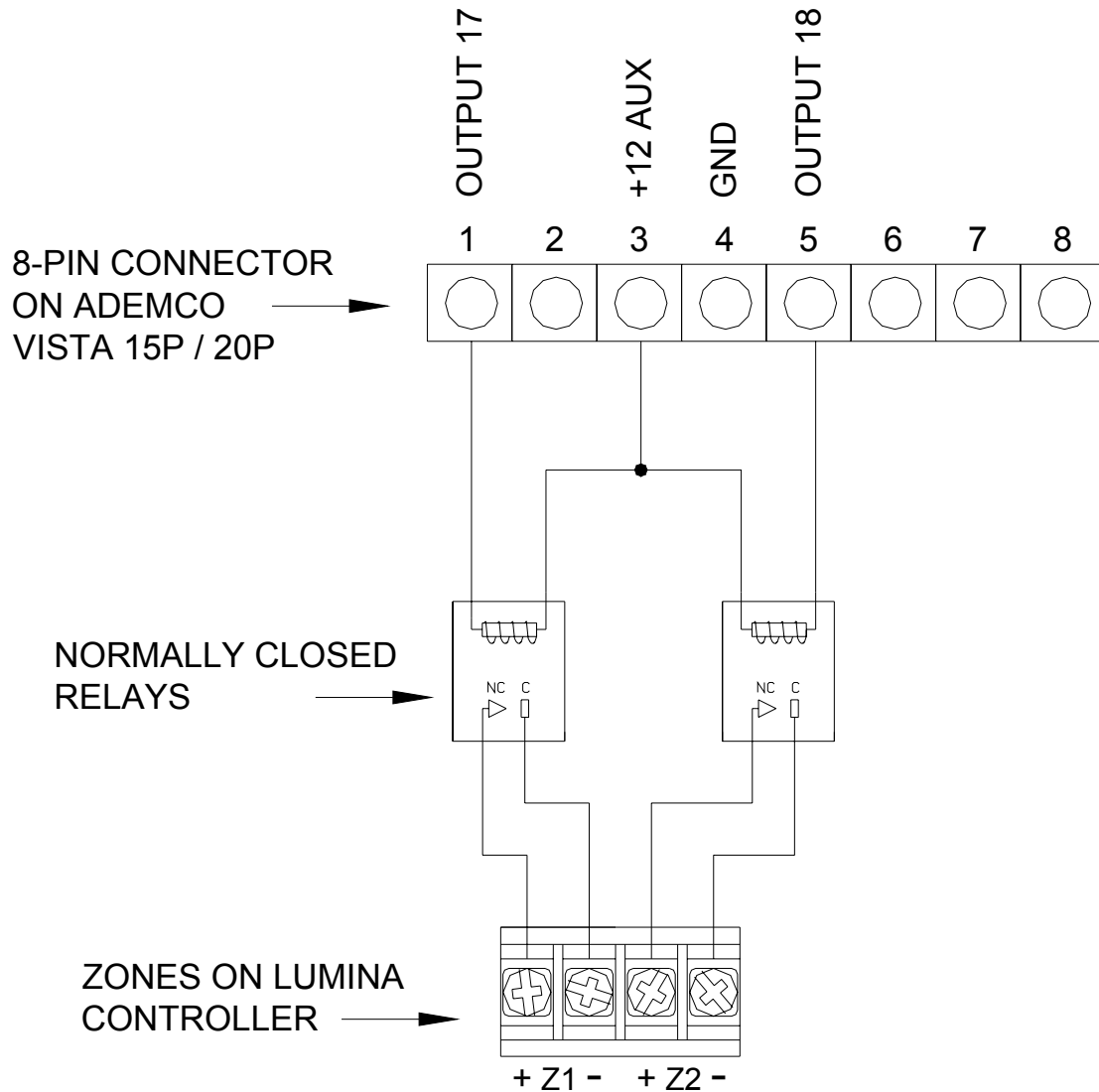
- a) Under "Setup, Names, Units", name the unit to be used. We will call ours "Hall Light".
- b) Under "Setup, Names, Tstats", name your thermostat. We will call ours "Downstairs".
- c) Under "Setup, Names, Zones", name the zones to be used. We will call our zones "Fire Trigger" and "Away Trigger".
- d) Under "Installer Setup, Zones", set Use Resistors to NO.

3. Installation:

- a) Connect the 4-wire connector (Ademco #N4632-4) to the pin set in the middle of the Vista 15P board. With the zone terminal strips down, pin 1 will be on the left. The connector should connect across pins 1-5.
- b) Connect the one side of the coil of the 1st relay, to the wire connected to pin 3 of the connector on the Vista 15P and connect the other side of the coil of the 1st relay to the wire connected to pin 1 of the connector on the Vista 15P.
- c) Connect the one side of the coil of the 2nd relay to the wire connected to pin 3 of the connector on the Vista 15P and connect the other side of the coil of the 2nd relay to the wire connected to pin 5 of the connector on the Vista 15P.
- d) Connect the NC and C terminals of the 1st relay to the zone named "Fire Trigger" on the Lumina controller. Connect the NO and C terminals of the 2nd relay to the zone named "Away Trigger".



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Programming:

The following program examples will show how to gain access to security triggered temperature control, lighting, and emergency lighting. In all of the examples there will be set up on both the Vista 15P and the Lumina control panel

- A)** The objective of the following example is to provide emergency path lighting for a fire alarm. This example only shows how to turn on one light and should be used as a guideline to turn on all the lights for your emergency path lighting.



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Programming on the Vista 15P

- 1) In order to access the programming mode you must first remove all power from the 15P and then power it back up. The display on your keypad will say "Busy Standby". While it says this, press and simultaneously hold [#] and [*] for 1 second. You will then be prompted to enter your installer code. Default is [4] [1] [2] [2] [8] [0] [0], once this is entered press [#] to continue.
- 2) Next you will be asked which field to go to. Enter [*] [7] [9]. You will then be asked which output number. For this example our output will be #17. Enter [1] [7] [*], when asked if output low, enter [0] [*]. When asked to enter another output enter [0] [0] to exit this field.
- 3) You will then need to enter [#] or [*] to go back to the field selection menu. The next field to program is [*] [8] [0]. The touchpad will prompt you to enter output function #. For this example we will use function #1. Enter [0] [1] [*]. Press [*] to proceed through the next screen. You will now be asked how this output will be activated, for this example we will be using "Zone Type". Enter [2] [*]. Next you are asked to enter zone type, for this example we will be using "Any Fire Alarm". Enter [3] [9] [*]. Next, you must enter what type of action the output will perform. Enter [1] [*] for "Closed for 2sec". Next enter the zone number, [1] [7] [*]. Press the [*] key to proceed through the next menu then [0] [0] to quit.

Please note: If you will be programming a 2nd output, please do so by skipping step one of the next example before exiting programming. Once you have exited programming you will have to power down the panel and power it back up again to access programming.

Programming on the Lumina

Here's how the program will look:

```
WHEN Fire Trigger NOT READY: Hall Light ON
^ (WHEN)                      ^ (COMMAND)
```

- B)** The objective of the following example is to turn off all the lights in the house when the system is armed away, and to set the thermostats to a level that will conserve energy. The all off command may or may not be accessible to you depending on the type of lighting devices you are using.

Programming on the Vista 15P

- 1) In order to access the programming mode you must first remove all power from the 15P and then power it back up. The display on your keypad will say "Busy Standby". While it says this, press and hold [#] and [*] for 1 second. You will then be prompted to enter your installer code. Default is [4] [1] [2] [2] [8] [0] [0], once this is entered press [#] to continue.
- 2) Next you will be asked which field to go to. Enter [*] [7] [9]. You will then be asked which output number. For this example our output will be #18. Enter [1] [8] [*], when asked if output low, enter [0] [*]. When asked to enter another output enter [0] [0] to exit this field.



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- 3) You will then need to enter [#] or [*] to go back to the field selection menu. The next field to program is [*] [8] [0]. The touchpad will prompt you to enter output function #. For this example we will use function #2. Enter [0] [2] [*]. Press [*] to proceed through the next screen. You will now be asked how this output will be activated, for this example we will be using "Zone Type". Enter [2] [*]. Next you are asked to enter zone type, for this example we will be using "Arming-Stay". Enter [2] [0] [*]. Next you must enter what type of action the output will perform. Enter [1] [*] for "Closed for 2sec". Next enter the zone number, [1] [7] [*]. Press the [*] key to proceed through the next menu then [0] [0] to quit.

Programming on the Lumina

Here's how the program will look:

```
WHEN Away Trigger NOT READY: ALL UNITS OFF
^ (WHEN)                      ^ (COMMAND)

WHEN Away Trigger NOT READY: Downstairs MODE AUTO
^ (WHEN)                      ^ (COMMAND)

WHEN Away Trigger NOT READY: Downstairs COOL SETPOINT 80
^ (WHEN)                      ^ (COMMAND)

WHEN Away Trigger NOT READY: Downstairs HEAT SETPOINT 64
^ (WHEN)                      ^ (COMMAND)
```

Note: This is just a basic example of what the Lumina series systems can do when connected to a pre-installed security panel. The Ademco 15P has many more output triggers that it can give to the Lumina in order to completely fit your needs. Please refer to your Vista installation manual for a complete list. With even the smallest amount of information from the security system, the Lumina can automate your home to do nearly anything that you wish. If you should have any questions about the connections, programming or if your specific application is possible, feel free to contact our technical support at 1-800-229-7256.